## What is claimed is:

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- 1. A washing machine comprising:
- a motor for being driven, in response to a user command, to rotate a drum holding laundry;
- a pulse sensor for sensing a pulse generated by said driven motor and outputting a voltage signal indicative of a width of the pulse; and
- a microcomputer for sensing an amount of laundry based on at least an integration value derived from the voltage signal output from said pulse sensor.
- 2. The washing machine as claimed in claim 1, wherein a value representing one revolution of said motor is stored in said microcomputer as a reference.
  - 3. The washing machine as claimed in claim 2, further comprising a timer for measuring a revolution time period required for said driven motor to reach a predetermined position of rotation, wherein the sensing of the laundry amount is further based on the revolution time period with respect to the reference value stored in said microcomputer.
- 1 4. The washing machine as claimed in claim 3, wherein the predetermined position of rotation is a 2/5 revolution point.
- 5. The washing machine as claimed in claim 4, wherein the revolution time period is measured from a static position of said motor to the 2/5 revolution point.

1	6. The washing machine as claimed in claim 1, wherein said motor is driver
2	according to a wash pattern.
1	7. The washing machine as claimed in claim 6, wherein the wash pattern is set
2	based on the sensed laundry amount.
1	8. A method of controlling a washing machine, the method comprising steps of:
2	sensing a laundry amount according to a pulse generated when a motor is driven in
3	response to a user command; and
4	controlling a wash pattern according to the sensed laundry amount.
1	9. The method as claimed in claim 8, said sensing step comprising steps of:
2	sensing a width of the pulse, the pulse width being indicative of a rotation of the
3	motor under a load from a static position to a predetermined position;
4	generating an integration value derived from the sensed pulse width; and
5	determining the sensed laundry amount based on at least the generated integration
6	value.
1	10. The method as claimed in claim 9, said sensing step further comprising steps
2	of:
3	setting as a reference a value representing one revolution of the motor;
4	driving the motor under a load, to rotate from the static position to the predetermined
5	position of rotation, and simultaneously initializing a timer in response to the user command;

and

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- measuring a revolution time period required, after timer initialization, for the motor to
- 8 reach the predetermined position of rotation,
- wherein the determination of the sensed laundry amount is further based on the
- revolution time period with respect to the set reference value.
- 11. The method as claimed in claim 8, further comprising a step of setting a wash
- pattern based on the sensed laundry amount.